

Name: ANSWER KEY

Date: \_\_\_\_\_

Per.: \_\_\_\_\_

FINAL REVIEW: Topic 1 – Basic Geometry Vocabulary

1. Describe what each of these symbols means:  $\overline{PQ}$ ,  $\overrightarrow{PQ}$ ,  $\overleftrightarrow{PQ}$ ,  $\overleftrightarrow{QP}$ . ANSWERS BELOW

2. Sketch a line that contains point  $R$  between points  $S$  and  $T$ . Which of the following are true?



A.  $\overleftrightarrow{SR}$  is the same as  $\overleftrightarrow{ST}$ .

B.  $\overleftrightarrow{SR}$  is the same as  $\overleftrightarrow{RT}$ .

C.  $\overleftrightarrow{RS}$  is the same as  $\overleftrightarrow{TS}$ .

D.  $\overleftrightarrow{RS}$  and  $\overleftrightarrow{RT}$  are opposite rays.

E.  $\overleftrightarrow{ST}$  is the same as  $\overleftrightarrow{TS}$ .

F.  $\overleftrightarrow{ST}$  is the same as  $\overleftrightarrow{TS}$ .

Decide whether the statement is true or false.

3. Points  $A$ ,  $B$ , and  $C$  are collinear. FALSE

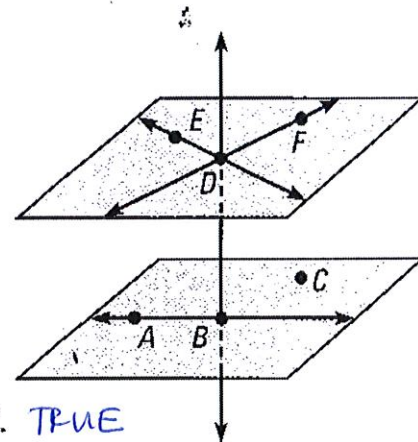
4. Points  $A$ ,  $B$ , and  $C$  are coplanar. TRUE

5. Point  $F$  lies on  $\overleftrightarrow{DE}$ . FALSE

6.  $\overleftrightarrow{DE}$  lies on plane  $DEF$ . TRUE

7.  $\overleftrightarrow{BD}$  and  $\overleftrightarrow{DE}$  intersect. TRUE

8.  $\overleftrightarrow{BD}$  is the intersection of plane  $ABC$  and plane  $DEF$ . TRUE



1.  $\overline{PQ}$  - line segment  $PQ$

$\overrightarrow{PQ}$  - ray  $PQ$

$\overleftrightarrow{PQ}$  - line  $PQ$

$\overleftrightarrow{QP}$  - ray  $QP$